

1 21. The system of claim 14, wherein the execution of the boot device driver program
2 further comprises:
3 determining size of the emulated hard disk defined by the boot sector size;
4 configuring a memory size of the RAM disk prior to the copying of the contents of the
5 boot sector, wherein the configured RAM disk memory size is consistent with
6 the size of the emulated hard disk.

1 22. The system of claim 14, wherein modifying the boot operating system enables
2 loading of a second removable medium of the computer system on removal of the removable
3 medium.

1 23. The system of claim 22, wherein the second removable medium includes an image
2 of a preferred operating system of the computer system.

1 24. The system of claim 14, wherein modifying the boot operating system comprises
2 modifying a device manager included in the boot operating system.

1 25. The system of claim 24, wherein modifying the device manager comprises
2 modifying values for an ARC name and at least one physical disk information table
3 associated with the boot operating system.

1 26. The system of claim 14, wherein the contents of the boot sector comprise the boot
2 operating system and the boot device driver program stored as the embedded image.

1 27. A computer-readable medium having a computer program accessible therefrom,
 2 wherein the computer program comprises instructions for:
 3 executing a boot device driver program, wherein the boot device driver program is
 4 executed by a boot operating system, wherein the boot operating system is
 5 loaded by the boot device during a boot of a computer system;
 6 copying contents of a boot sector of a removable medium of the boot device to a
 7 RAM disk using the boot device driver program, wherein the boot operating
 8 system and the boot device driver program are stored as an embedded image
 9 on the boot sector of the removable medium, wherein the RAM disk
 10 comprises memory of the computer system allocated to emulate a hard disk;
 11 modifying the boot operating system using the boot device driver program to redirect
 12 boot media I/O to the RAM disk, wherein the memory based boot operating
 13 system enables the removal of the removable medium.